

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7672 (1975): Fastener, File, Loose-leaf, Ring Type [PGD
14: Consumer Products and Allied Equipments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE



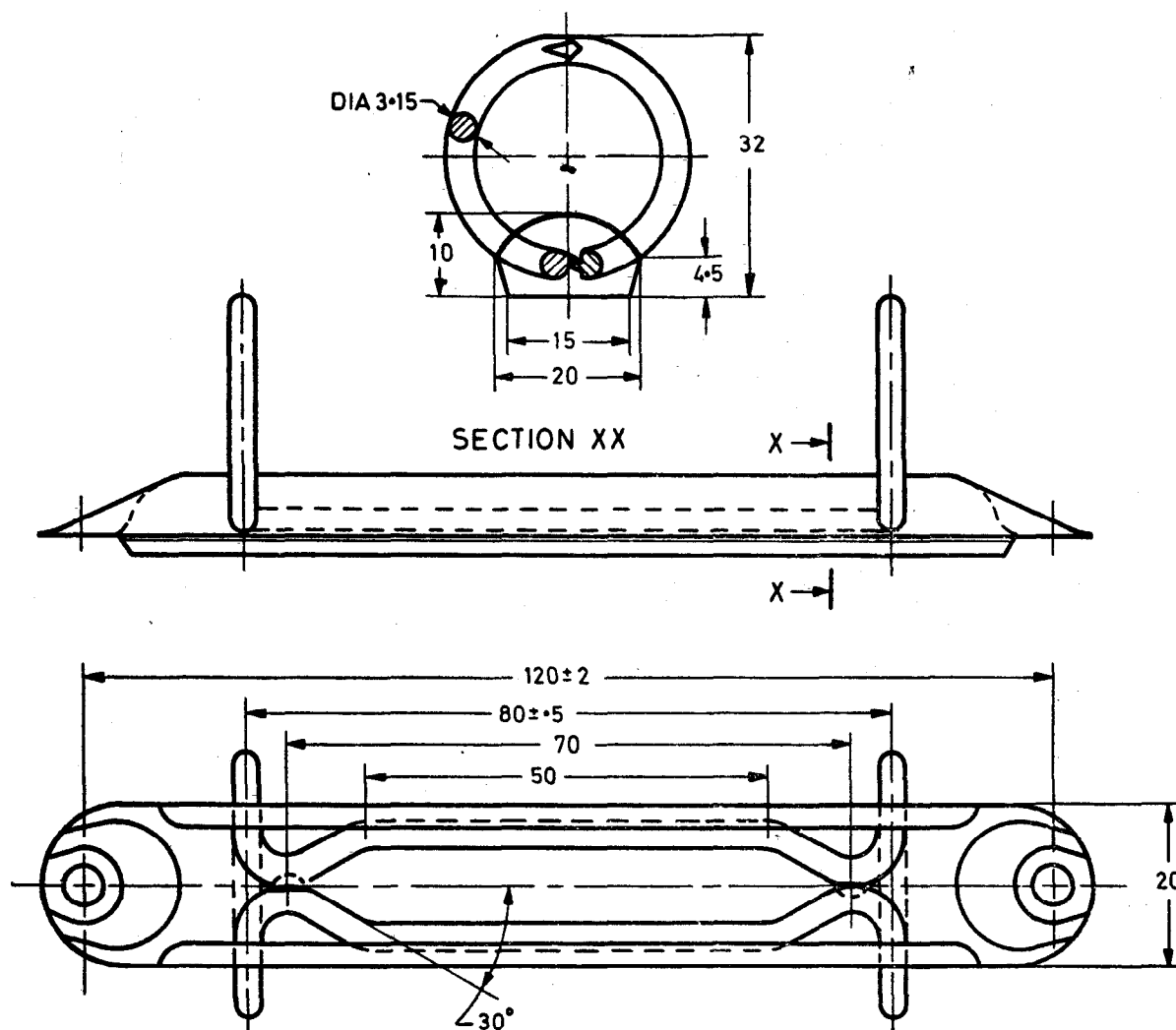


Indian Standard

SPECIFICATION FOR FASTENER, FILE, LOOSE-LEAF, RING TYPE

1. Scope — Specifies material, dimensional and performance requirements for ring type file fasteners for retaining loose paper sheets.

2. Shape, Dimensions and Capacity — As shown in Fig. 1 and Table 1.



All dimensions in millimetres.

FIG. 1 FASTENER, FILE, LOOSE-LEAF, RING TYPE (TWO RINGS)

3. Materials

3.1 Ring Plate — Cold-rolled carbon steel sheet having a nominal thickness of 0.710 mm.

3.2 Rings — Cold-drawn steel wire having a nominal diameter of 3.15 mm.

3.3 Rivets — Rivets shall be either tubular steel rivets (see IS : 4040-1967 Specification for solid drilled tubular and semi-tubular rivets) or bifurcated rivets conforming to IS : 3974-1967 ' Specification for bifurcated rivets for general purposes '.

Adopted 22 May 1975

© June 1975, ISI

Gr 1

TABLE 1 DIMENSIONS FOR RING TYPE FILE FASTENERS

(Clause 2)

Sl No.	No. of Rings Per Fastener	Distance Centre to Centre		Capacity (Thickness of Paper That can be Filed)
		Between Rings	Between Outside Rings	
		mm	mm	
i)	2	80.0 \pm 0.5	—	25
ii)	3	110.0 \pm 0.5	220.0 \pm 0.5	25
iii)	4	80.0 \pm 0.5	240.0 \pm 0.5	40
iv)	6	50.0 \pm 0.5	250.0 \pm 0.5	50

4. Workmanship and Finish

4.1 The fastener shall be designed in such a way that the loose sheets filed would present a flat writing surface for making entries when the binder is open.

4.2 The rings shall be formed either in D shape or round shape.

4.3 The rings shall be properly aligned and shall fit snugly and securely in closed position.

4.4 The rings shall open simultaneously when one of them is made to open.

4.5 The rings shall close simultaneously when one of them is made to close.

4.6 The ring plates (in case of three or more rings) shall be formed so that the rings can be opened and closed by means of trigger or other device as desired by the purchaser.

4.7 The fastener may also be provided with a suitable locking device to lock the rings securely in a positively closed position, if desired by the purchaser.

4.8 All parts shall be finished smooth and free from burrs, sharp edges and other constructional defects. All parts shall be plated chromium over nickel in accordance with Service Grade 2 of IS : 1068-1968 ' Specification for electroplated coatings of nickel and chromium on iron and steel (first revision) '. If desired by the purchaser the parts may be zinc plated in accordance with IS : 1573-1970 ' Specification for electroplated coatings for zinc on iron and steel (first revision) '.

5. Tests

5.1 *Corrosion Resistance Test* — All components of the ring fastener shall be dipped in a solution of mineral spirit to remove any surface film or grease and wiped dry. They shall then be immersed in 5 percent aqueous solution of sodium chloride for 48 hours. There shall be no visible sign of corrosion.

5.2 *Performance Test* — The ring fastener shall be opened and closed in the normal manner of operation for 25 consecutive times.

5.2.1 It shall not be excessively hard to operate.

5.2.2 The rings shall open completely in open position.

5.2.3 The rings fit snugly and completely close in closed position.

5.2.4 Rings of those fasteners in which locking device is also provided shall lock positively and securely in closed position. It shall not be possible to open the rings without bending them forcibly or damaging the mechanism.

6. **Marking** — Each fastener shall be marked with the manufacturer's name, initials or registered trademark and capacity along with any other marking required by the purchaser.

6.1 *ISI Certification Marking* — Details available with the Indian Standards Institution.

7. **Packing** — As agreed to between the purchaser and the supplier.